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**From:** Nordine, John [nordine.john@epa.gov]  
**Sent:** 11/23/2015 2:02:25 PM  
**To:** Kay, Robert [rtkay@usgs.gov]  
**Subject:** Re: Review of October 2015 Monthly Progress Report, Techalloy, Union, IL

Hi Bob,

I will check.

Thanks,

John

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**From:** Kay, Robert <rtkay@usgs.gov>  
**Sent:** Friday, November 20, 2015 4:09 PM  
**To:** Nordine, John  
**Subject:** Review of October 2015 Monthly Progress Report, Techalloy, Union, IL

John--I have reviewed the subject report. I have only a couple comments.

The water-level measurements obtained from the transducer and the manual measurements need to be compared to ensure the transducer data are accurate. Autumwood did not make this comparison, and they should have. If they did make the comparison, they would have discovered that the difference in the transducer values between 1559 hours on Oct. 5 (814.69) and 1117 hours on November 2 (814.49) showed a difference of 0.20 ft, which is moderate agreement with the manual measurements. If monitoring DGW-21 is going to continue, efforts should be made (now) to improve the transducer measurements.

How is the pH of the sample water being checked? I checked the lab sheets and it doesn't appear they're checking for the pH of the VOCs samples. Techalloy should periodically--once a year or so--field verify that they are adding sufficient acid to the sample to lower the pH below 2. It's my understanding the lab should be checking the samples routinely. From what I can tell they are not, at least for pH. Can Techalloy provide the SOPs for this procedure?

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